

AESICS User Guide - Requests

The AESICS system allows users to view and modify requests as well as create new requests via the AESICS web interface. This section provides details on how to perform those actions.

- Add New Request
- View All Requests
 - View
 - Update

Add New Request

Approved AESICS users with admin status are capable of manually entering a new AESICS request into the web-based interface. First users must select the New Request option from the main AESICS top-level navigation dropdown menu (NOTE: alternatively, users are also capable of creating a new request by clicking the Add New Request button at the bottom of the View All requests page). After doing this, users are presented a page that has many fields that need to be filled out. An explanation of these fields is provided below in further detail.

1. Overview

- a. **User:** The user submitting the request - Select the approved AESICS user's Earthdata Login username from the dropdown menu that is creating the request.
- b. **Event Name:** The name of the event - Purely used for reference.
- c. **Event Country:** The country of origin of the event
- d. **Event Location:** Location of the event. Typically a state or province.
- e. **Reference URL:** A URL to a website that gives a description of the event.
- f. **Application:** The type of event - Select one of the following options from the dropdown menu:
 - i. Flood
 - ii. Hurricane
 - iii. Military
 - iv. Volcano
 - v. Wildfire
 - vi. Other: A box appears when selecting "other", which allows the user to type in a different type of applicationh as an earthquake.

2. Acquisition and Processing

- a. **Local Time:** The user selects the type of acquisition from the dropdown menu, which includes the following options:
 - i. Day
 - ii. Night
- b. **Sensor Mode:** The user selects the sensor mode that he or she desires from the dropdown, which includes the following options:
 - i. VNIR, SWIR, TIR
 - ii. VNIR only
- c. **Off-Nadir Acceptable:** The user selects whether an off-nadir acquisition is acceptable from the following dropdown menu options:
 - i. Yes - Upon selecting yes, the user must then type the threshold for acceptance (+/-) that they would allow in the field next to it.
 - ii. No
- d. **Processing Urgency:** The user indicates the urgency of receiving the expedited data from the following dropdown menu options
 - i. Expedited
 - ii. Nominal

3. Location

- a. **Map:** The user is able to interact with the map and click on the region of interest for the request. Upon doing so, a pin will be displayed and the coordinates will be input directly into the Coordinates field below the map.
 - i. **NOTE:** Alternatively, the user can input the coordinates directly into the Coordinates field, and the pin will automatically generate on the map above.
- b. **Overpass Predictor:** After specifying the coordinates of the request, the user is able to view an estimate of the viable predicted passes over the next 20 days. Results in the first five days have an image displaying the track. The farther out the prediction, the less accurate the positioning will be. This process generally

New AESICS Request

Overview

User

Event Name

Event Country

Event Location

Reference Info

Application

Location

Map

Click on the map to select a coordinate to be the event location. Alternatively, provide the coordinates in the text box below.

Coordinates

Acquisition and Processing

Local Time

Day

Server Value

ASICS4000 Acquire

Yes

☐

No

☒

Processing Output

Gain Settings

SW001	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW002	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW003	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW004	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW005	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW006	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW007	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW008	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW009	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>
SW010	High	<input checked="" type="radio"/>	Normal	<input type="radio"/>	Low	<input type="radio"/>

TRF 10-14 sec fixed.

takes around 10 seconds to complete. Upon completion, a pop-up box displays that presents the user with some additional information. See the image to the right as an example.

4. Gain Settings - The user can specify the specific gain settings on each of the VNIR and SWIR bands via clickable radio buttons. **NOTE:** TIR bands 10-14 are fixed.

Sensor	Gain Settings
VNIR1	High, Normal, Low1
VNIR2	High, Normal, Low1
VNIR3	High, Normal, Low1
SWIR4	High, Normal, Low1, Low2
SWIR5	High, Normal, Low1, Low2
SWIR6	High, Normal, Low1, Low2
SWIR7	High, Normal, Low1, Low2
SWIR8	High, Normal, Low1, Low2
SWIR9	High, Normal, Low1, Low2

5. Miscellaneous

- a. **Email Groups:** The user is able to check the box of the desired email groups that he or she wishes the request notification emails be sent to. Multiple email groups may be toggled on or off for a single request. For information on how to create and manage these email groups that display on this page, see the [Manage Groups](#) section of this user guide.

6. Justification/Comments

- a. **Text Box:** A text box is available here for users to be able to put comments in that justify the scheduling of the ASTER sensor on the Terra Satellite.

The user then clicks the Submit New Request button on the bottom of the Add New Request page to submit the request. A box will appear that indicates that the request has successfully been submitted, and the user can then view the request on the map of the [AESICS Homepage](#) or by clicking the View All option from the Requests dropdown on the top-level navigational menu.

Upcoming Passes				
Listed below are the viable predicted passes over the next 20 days. Results in the first five days have an image displaying the track. The further out the prediction, the less accurate the positioning will be.				
Date	Time (GMT)	Peak Elevation	Direction	Track Image
11/2/2016	1:45:47	68.65	descend	Link
11/2/2016	12:48:16	89.32	ascend	Link
11/4/2016	1:33:35	87.92	descend	Link
11/11/2016	1:39:39	79.15	descend	Unavailable
11/13/2016	1:27:26	76.76	descend	Unavailable

Close

View All Requests

Upon selecting the View All option from the dropdown menu on the top-level navigational menu, users are presented a table of all the requests that have been submitted to AESICS. This table also grants users the capability to view an existing request, modify an existing request, or add a new request.

Users are also capable of sorting the data in the requests table by clicking on the titles of the first two columns (Request ID and Event Name).

View

Upon clicking the View button, the details of the request are presented to the user. The user is also able to click the Update Request button at the bottom of the page to update the request, which is explained in further detail in the next subsection.

Update

Users with admin status are able to update existing AESICS requests from the View All requests table by clicking the Update button. Upon clicking the update button, a pop-up window is displayed that provides modifiable fields that the user can interact with. These fields are described in further detail below.



AESICS									
The National Earth Science Data Infrastructure									
Request Management									
Request ID	Status	Event Name	Requester	Request Date	Request Time	Request Location	Request Description	Request Action	Request Details
1001	Active	ASTER TIR Band 10	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 10	View	Details
1002	Active	ASTER TIR Band 11	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 11	View	Details
1003	Active	ASTER TIR Band 12	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 12	View	Details
1004	Active	ASTER TIR Band 13	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 13	View	Details
1005	Active	ASTER TIR Band 14	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 14	View	Details
1006	Active	ASTER TIR Band 15	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 15	View	Details
1007	Active	ASTER TIR Band 16	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 16	View	Details
1008	Active	ASTER TIR Band 17	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 17	View	Details
1009	Active	ASTER TIR Band 18	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 18	View	Details
1010	Active	ASTER TIR Band 19	John Doe	2016-11-01	10:00:00	100.0000, 0.0000	ASTER TIR Band 19	View	Details

1. Reference Information
 - a. **LP DAAC ID:** The AESICS Request ID number assigned by the LP DAAC upon reception of a new request.
 - b. **Event Name:** The name of the event
 - c. **STAR ID:** The Science Team Acquisition Request ID number associated with the AESICS request.
 - i. NOTE: This is the only modifiable field in this section
2. Current Status and History
 - a. **Current Status:** The current status of the AESICS request. Used as a reference for assisting the user to update the status to the desired value.
 - b. **Update Status To:** Allows the user to update the status of the request to a different value. The options are selectable from a dropdown menu and are listed below.
 - i. Pending
 - ii. Approved
 - iii. Cancelled
 - iv. Completed
 - v. Denied
 - vi. Failed
 - c. **Chronology:** Displays a history via timestamps of when a specific request status value was changed.
3. Scene Details
 - a. **Acquisition Date and Time:** The date and time of the acquisition of data.
 - b. **Mode:** Displays the sensor mode of the request
 - c. **Day or Night:** Displays whether the request was a day or night time acquisition.
 - d. **Number of EDS Scenes:** Displays the number of the scenes included in the acquisition.
4. Miscellaneous
 - a. **Customer Comments:** This section allows the user to input comments that correspond to the acquisition request.

Upon completing editing the request fields, the user can submit his or her changes by clicking the Update button at the bottom of the pop-up box. If the status was updated, the pin associated with the request will change color on the map on the [AESICS Homepage](#), and emails will be submitted by the AESICS system notifying the specified email groups of the changes in request status.

NOTE: In order for updates to a specific AESICS request to successfully occur, users must click the Update button at the bottom of the pop-up window. If they do not, no changes will be made to the request.

Kiliuchevskoi-n19.16306.1653

Overview

Timestamp: Tue 01 Feb 2016 16:03:44 GMT

User: [AESICS_Lat \(n19.16306.1653\)@gmail.com](#)

Event Name: Kiliuchevskoi-n19.16306.1653

Event Country: Russia

Event Location: Kiliuchevskoi

Reference URL: [The Data Store for AESICS Data](#)

Acquisition

Acquisition and Processing

Acquisition Mode: Night

Sensor Mode: VNIR

On-board Acquisition: VNIR, SWIR, TIR

On-board Processing: VNIR

Preprocessing: L1TM

Processing: Standard Preprocessor

Processing Capacity: Standard Preprocessor

Gain Settings

Gain	High	Normal	Low
Gain 1	High	Normal	Low
Gain 2	High	Normal	Low
Gain 3	High	Normal	Low
Gain 4	High	Normal	Low
Gain 5	High	Normal	Low
Gain 6	High	Normal	Low
Gain 7	High	Normal	Low
Gain 8	High	Normal	Low
Gain 9	High	Normal	Low
Gain 10	High	Normal	Low

Miscellaneous

Event Groups: University of Alaska, University of Idaho

Authentication Comments: Response to a previous request

Update Request

Update Bogoslof Activity

This form allows for updating various aspects of the request. To view all details of the request, please click [here](#).

Reference Information

LP DAAC ID: 14265

Event Name: Bogoslof Activity

STAR ID: Enter ID here

Current Status and History

Current Status: Pending

Update Status To: Approved

Chronology (most recent on top)

- 06-Feb-2017 20:30:32 - Pending - auto

Scene Details

Acquisition Date and Time: YYYY-MM-DD HH:MM:SS

Mode: VNIR, SWIR, TIR

Day or Night: Day

Number of EDS Scenes:

Miscellaneous

Customer Comments: Enter any comments here.

Close Update